

Project:

RCRA

Pace Project No.:

10316058

Sample: 507177

Date: 08/11/2015 03:30 PM

Lab ID: 10316058002

Collected: 07/28/15 08:50 Received: 07/29/15 09:30 Matrix: Water

Lab ID.	10310030002	Collecte	u. 0//20/13	00.50	Neceived. Off.	29/13/09.50 1016	illix. Vvalci	
Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Analytical	Method: EPA 6	010 Prepa	ration Meth	od: EPA	3010			
ND 12.3 1	mg/L 	0.0030 2.5	0.00065 0.13	1 1	07/30/15 10:07 07/30/15 10:07			
Analytical	Method: EPA 6	020 Prepa	ration Meth	od: EPA	3020			
0.0044 0.0045	mg/L mg/L	0.00050 0.00050	0.00011 0.00020	1 1	07/30/15 10:10 07/30/15 10:10			
Analytical	Method: EPA 3	0.00						
182 0.69 4.2 70.3	mg/L mg/L mg/L mg/L	6.0 0.050 0.10 1.2	3.0 0.0036 0.050 0.60	5 1 1 1		07/29/15 16:16 07/29/15 16:16	16984-48-8 14797-55-8	
Analytical	Method: EPA 3	350.1					(4)	
ND	mg/L	0.040	0.020	1	,	08/04/15 18:16	7664-41-7	
Analytical	Method: SM 4	500-P E						
0.040	mg/L	0.0050	0.0017	1		07/29/15 17:16		
	Results Analytical ND 12.3	Analytical Method: EPA 6 ND mg/L 12.3	Results Units PQL Analytical Method: EPA 6010 Prepa ND mg/L 0.0030 12.3 → mg/L 2.5 Analytical Method: EPA 6020 Prepa 0.0044 mg/L 0.00050 0.0045 mg/L 0.00050 Analytical Method: EPA 300.0 182 mg/L 0.050 4.2 mg/L 0.10 70.3 mg/L 1.2 Analytical Method: EPA 350.1 ND mg/L 0.040 Analytical Method: SM 4500-P E	Results Units PQL MDL Analytical Method: EPA 6010 Preparation Method: EPA 6010 Preparation Method: EPA 6020 Preparation Method: EPA 6020 Preparation Method: EPA 6020 Preparation Method: EPA 6020 Preparation Method: EPA 0.00050 0.00011 0.0045 mg/L 0.00050 0.00020 0.00020 Analytical Method: EPA 300.0 182 mg/L 0.050 0.0036 0.0036 0.0091 0.050 0.0036 0.0001 0.050 0.00000 0.000000 0.0000000000	Results Units PQL MDL DF Analytical Method: EPA 6010 Preparation Method: EPA ND mg/L 0.0030 0.00065 1 1.2.3	Results Units PQL MDL DF Prepared Analytical Method: EPA 6010 Preparation Method: EPA 3010 ND mg/L 0.0030 0.00065 1 07/30/15 10:07 12.3 → mg/L 2.5 0.13 1 07/30/15 10:07 Analytical Method: EPA 6020 Preparation Method: EPA 3020 0.0044 mg/L 0.00050 0.00011 1 07/30/15 10:10 0.0045 mg/L 0.00050 0.00020 1 07/30/15 10:10 Analytical Method: EPA 300.0 182 mg/L 6.0 3.0 5 0.0036 1 4.2 mg/L 0.050 0.0036 1 4.2 mg/L 0.10 0.050 1 70.3 mg/L 1.2 0.60 1 Analytical Method: EPA 350.1 ND mg/L 0.040 0.020 1 ND mg/L 0.040 0.020 1 Analytical Method: SM 4500-P E	Results Units PQL MDL DF Prepared Analyzed Analytical Method: EPA 6010 Preparation Method: EPA 3010 ND mg/L 0.0030 0.00065 1 07/30/15 10:07 07/30/15 18:53 12.3 → mg/L 2.5 0.13 1 07/30/15 10:07 07/30/15 18:53 Analytical Method: EPA 6020 Preparation Method: EPA 3020 0.0044 mg/L 0.00050 0.00011 1 07/30/15 10:10 07/31/15 16:58 0.0045 mg/L 0.00050 0.00020 1 07/30/15 10:10 07/31/15 16:58 Analytical Method: EPA 300.0 182 mg/L 0.050 0.0036 1 07/29/15 19:53 0.69 mg/L 0.050 0.0036 1 07/29/15 16:16 4.2 mg/L 0.10 0.050 1 07/29/15 16:16 70.3 mg/L 1.2 0.60 1 07/29/15 16:16 Analytical Method: EPA 350.1 ND mg/L 0.040 0	Results Units PQL MDL DF Prepared Analyzed CAS No. Analytical Method: EPA 6010 Preparation Method: EPA 3010 ND mg/L 0.0030 0.00065 1 07/30/15 10:07 07/30/15 18:53 7440-43-9 12.3 → mg/L 2.5 0.13 1 07/30/15 10:07 07/30/15 18:53 7440-09-7 Analytical Method: EPA 6020 Preparation Method: EPA 3020 0.0044 mg/L 0.00050 0.00011 1 07/30/15 10:10 07/31/15 16:58 7440-38-2 0.0045 mg/L 0.00050 0.00020 1 07/30/15 10:10 07/31/15 16:58 7782-49-2 Analytical Method: EPA 300.0 182 mg/L 6.0 3.0 5 07/29/15 19:53 16887-00-6 0.69 mg/L 0.050 0.0036 1 07/29/15 16:16 16984-48-8 4.2 mg/L 0.10 0.050 1 07/29/15 16:16 14797-55-8 70.3 mg/L 1.2 0.60 1 07/29/15 16:16



Project:

RCRA

Pace Project No.: 10316058

Sample: 507178	Lab ID:	10316058005	Collecte	d: 07/28/15	5 10:10	Received: 07/	29/15 09:30 M	atrix: Water	•
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical	Method: EPA 6	010 Prepa	ration Meth	od: EPA	3010			
Cadmium Potassium	ND 23.1 ズ	mg/L + mg/L	0.0030 2.5	0.00065 0.13	1 1	07/30/15 10:07 07/30/15 10:07	07/30/15 19:04 07/30/15 19:04		
6020 MET ICPMS	Analytical	Method: EPA 6	020 Prepa	ration Meth	od: EPA	3020			
Arsenic Selenium	0.0090 0.0062	mg/L mg/L	0.00050 0.00050	0.00011 0.00020	1 1	07/30/15 10:10 07/30/15 10:10	07/31/15 17:11 07/31/15 17:11		
300.0 IC Anions	Analytical	Method: EPA 3	0.00						
Chloride Fluoride Nitrate as N Sulfate	595 0.30 5.9 407	mg/L mg/L mg/L mg/L	24.0 0.050 0.10 6.0	12.0 0.0036 0.050 3.0	20 1 1 5		07/29/15 21:03 07/29/15 17:01 07/29/15 17:01 07/29/15 20:46	16984-48-8 14797-55-8	
350.1 Ammonia	Analytical	Method: EPA 3	50.1						
Nitrogen, Ammonia	ND	mg/L	0.040	0.020	1		08/04/15 18:18	7664-41-7	
Phosphate, Ortho Low Level	Analytical	Method: SM 4	500-P E						
Orthophosphate as P	0.049	mg/L	0.0050	0.0017	1		07/29/15 17:19	1	



Project:

RCRA

Pace Project No.: 10316058

Sample: 507180	Lab ID:	10316058008	Collecte	d: 07/28/1	5 12:45	Received: 07/	29/15 09:30 M	atrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical	Method: EPA 6	010 Prepa	ration Meth	od: EPA	3010			
Cadmium Potassium	ND 29.0 [mg/L 	0.0030 2.5	0.00065 0.13	1 1	07/30/15 10:07 07/30/15 10:07	07/30/15 19:17 07/30/15 19:17		
6020 MET ICPMS	Analytical	Method: EPA 6	020 Prepa	ration Meth	od: EPA	3020			
Arsenic Selenium	0.039 0.0038	mg/L mg/L	0.00050 0.00050	0.00011 0.00020	1 1	07/30/15 10:10 07/30/15 10:10	07/31/15 17:25 07/31/15 17:25		
300.0 IC Anions	Analytical	Method: EPA 3	0.00						
Chloride Fluoride Nitrate as N Sulfate	135 0.53 35.6 133	mg/L mg/L mg/L mg/L	6.0 0.050 0.50 6.0	3.0 0.0036 0.25 3.0	5 1 5 5		07/29/15 22:26 07/29/15 17:47 07/29/15 22:26 07/29/15 22:26	16984-48-8 14797-55-8	
350.1 Ammonia	Analytical	Method: EPA 3	350.1						
Nitrogen, Ammonia	ND	mg/L	0.040	0.020	1		08/04/15 18:21	7664-41-7	
Phosphate, Ortho Low Level	Analytical	Method: SM 4	500-P E						
Orthophosphate as P	0.38	mg/L	0.025	0.0087	5		07/29/15 17:30)	



Project:

RCRA

Pace Project No.: 10316058

Date: 08/11/2015 03:30 PM

Sample: 507600	Lab ID:	10316058003	Collecte	d: 07/28/15	5 09:20	Received: 07/	29/15 09:30 Ma	atrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical	Method: EPA 6	010 Prepa	ration Meth	od: EPA	3010			
Cadmium Potassium	ND 12.6 J.	mg/L it mg/L	0.0030 2.5	0.00065 0.13	1 1	07/30/15 10:07 07/30/15 10:07	07/30/15 18:56 07/30/15 18:56		
6020 MET ICPMS	Analytical	Method: EPA 6	020 Prepa	ration Meth	od: EPA	3020			
Arsenic Selenium	0.0044 0.0045	mg/L mg/L	0.00050 0.00050	0.00011 0.00020	1 1	07/30/15 10:10 07/30/15 10:10	07/31/15 17:03 07/31/15 17:03		
300.0 IC Anions	Analytical	Method: EPA 3	0.00						
Chloride Fluoride Nitrate as N Sulfate	182 0.69 4.2 70.5	mg/L mg/L mg/L mg/L	6.0 0.050 0.10 1.2	3.0 0.0036 0.050 0.60	5 1 1 1		07/29/15 23:03 07/29/15 16:31 07/29/15 16:31 07/29/15 16:31	16984-48-8 14797-55-8	
350.1 Ammonia	Analytical	Method: EPA 3	50.1						
Nitrogen, Ammonia	ND	mg/L	0.040	0.020	1		08/04/15 18:16	7664-41-7	
Phosphate, Ortho Low Level	Analytical	Method: SM 4	500-P E						
Orthophosphate as P	0.038	mg/L	0.0050	0.0017	1		07/29/15 17:17		



Project:

RCRA

Pace Project No.: 10316058

Date: 08/11/2015 03:30 PM

Sample: 507700	Lab ID:	10316058009	Collecte	d: 07/28/1	5 13:55	Received: 07/	29/15 09:30 Ma	atrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical	Method: EPA 6	010 Prepa	ration Meth	od: EPA	3010			
Cadmium	ND	mg/L	0.0030	0.00065	1	07/30/15 10:07	07/30/15 19:23	7440-43-9	
Potassium	ND	mg/L	2.5	0.13	1	07/30/15 10:07	07/30/15 19:23	7440-09-7	
6020 MET ICPMS	Analytical	Method: EPA 6	020 Prepa	ration Meth	od: EPA	3020			
Arsenic	ND	mg/L	0.00050	0.00011	1	07/30/15 10:10	07/31/15 17:38	7440-38-2	
Selenium	ND	mg/L	0.00050	0.00020	1	07/30/15 10:10	07/31/15 17:38	7782-49-2	
300.0 IC Anions	Analytical	Method: EPA 3	0.00						
Chloride	ND	mg/L	1.2	0.60	1		07/29/15 18:02	16887-00-6	
Fluoride	ND	mg/L	0.050	0.0036	1		07/29/15 18:02	16984-48-8	
Nitrate as N	ND	mg/L	0.10	0.050	1		07/29/15 18:02	14797-55-8	
Sulfate	ND	mg/L	1.2	0.60	1		07/29/15 18:02	14808-79-8	
350.1 Ammonia	Analytical	Method: EPA 3	50.1						
Nitrogen, Ammonia	ND	mg/L	0.040	0.020	1		08/04/15 18:25	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	ND	mg/L	0.0050	0.0017	1		07/29/15 17:24		



TECHNICAL REVIEW ACTION SUMMARY SDG 10316058

Arsenic

Cadmium J1, J+1

Potassium J2, J+2

Selenium J-1

If the field is left blank no actions or qualifications were necessary.

J1 - Positive result is flagged as estimated (J) due to uncertainty at the low level.

J2 - Result is flagged as estimated (J) due to non-compliant serial dilution reproducibility.

J+1 - Positive result <2 PQL is flagged as estimated with the potential for high bias (J+) due to non-compliant CRI recovery.

J+2 - Positive result is flagged as estimated with the potential for high bias (J+) due to non-compliant MS/MSD recoveries.

J-1 - Result <2 PQL is flagged as estimated with the potential for low bias (J-) due to non-compliant CRI recovery.





SAMPLE SUMMARY

Project:

RCRA

Pace Project No.:

10316058

-				
Lab ID	Sample ID	Matrix	Date Collected	Date Received
10316058001	507174	Water	07/28/15 08:05	07/29/15 09:30
10316058002	507177	Water	07/28/15 08:50	07/29/15 09:30
10316058003	507600	Water	07/28/15 09:20	07/29/15 09:30
10316058004	507154	Water	07/28/15 09:30	07/29/15 09:30
10316058005	507178	Water	07/28/15 10:10	07/29/15 09:30
10316058006	507173	Water	07/28/15 11:05	07/29/15 09:30
10316058007	507171	Water	07/28/15 11:55	07/29/15 09:30
10316058008	507180	Water	07/28/15 12:45	07/29/15 09:30
10316058009	507700	Water	07/28/15 13:55	07/29/15 09:30
10316058010	507172	Water	07/28/15 14:25	07/29/15 09:30
10316058011	507147	Water	07/28/15 16:05	07/30/15 10:00
10316058012	507148	Water	07/28/15 16:45	07/30/15 10:00
10316058013	507149	Water	07/28/15 17:40	07/30/15 10:00
10316058014	507128	Water	07/28/15 18:20	07/30/15 10:00
10316058015	507127	Water	07/29/15 07:45	07/30/15 10:00
10316058016	507126	Water	07/29/15 08:20	07/30/15 10:00
10316058017	507124	Water	07/29/15 09:00	07/30/15 10:00
10316058018	507131	Water	07/29/15 10:00	07/30/15 10:00
10316058019	507114 A,B,C	Water	07/29/15 11:10	07/30/15 10:00







Project:

RCRA

Pace Project No.: 10316058

Method:

EPA 6010

Description: 6010 MET ICP

Client:

FMC

Date:

August 11, 2015

General Information:

19 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MPRP/56575

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10316058019

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2038938)
 - Potassium
- · MSD (Lab ID: 2038939)
 - Potassium





Project:

RCRA

Pace Project No.:

10316058

Method:

EPA 6010

Description: 6010 MET ICP, Dissolved

Client:

FMC

Date:

August 11, 2015

General Information:

1 sample was analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.





Project:

RCRA

Pace Project No.:

10316058

Method:

EPA 6020

Description: 6020 MET ICPMS

Client:

FMC

Date:

August 11, 2015

General Information:

19 samples were analyzed for EPA 6020. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3020 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.





Project:

RCRA

Pace Project No.:

10316058

Method:

EPA 6020

Description: 6020 MET ICPMS, Dissolved

Client:

FMC

Date:

August 11, 2015

General Information:

1 sample was analyzed for EPA 6020. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3020 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.





Project:

RCRA 10316058

Pace Project No.:

SM 4500F/C Description: SM4500F-C Fluoride

Client:

Method:

FMC

Date:

August 11, 2015

General Information:

2 samples were analyzed for SM 4500F/C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.





Project:

RCRA

Pace Project No.:

10316058

Method:

EPA 300.0

Description: 300.0 IC Anions

Client:

FMC

Date:

August 11, 2015

General Information:

19 samples were analyzed for EPA 300.0. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: WETA/24007

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10314966003,10316058010

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- · MS (Lab ID: 2034964)
 - Nitrate as N
- · MS (Lab ID: 2035153)
 - · Chloride
 - Nitrate as N
 - Sulfate
- · MSD (Lab ID: 2034965)
 - · Nitrate as N
- MSD (Lab ID: 2035154)
 - Chloride
 - · Nitrate as N
 - Sulfate

QC Batch: WETA/24033

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10316058019,10316268001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- · MS (Lab ID: 2036737)
 - Chloride
 - Fluoride
 - Sulfate

REPORT OF LABORATORY ANALYSIS

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Project: Pace Project No.:

RCRA 10316058

Method:

EPA 300.0 Description: 300.0 IC Anions

Client:

FMC

Date:

August 11, 2015

QC Batch: WETA/24033

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10316058019,10316268001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- · MS (Lab ID: 2036739)
 - Chloride
 - Fluoride
 - Sulfate
- · MSD (Lab ID: 2036738)
 - Chloride
 - Fluoride
 - Sulfate
- · MSD (Lab ID: 2036740)
 - Chloride
 - Fluoride
 - Sulfate

M6: Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

- · MS (Lab ID: 2036737)
 - · Nitrate as N
- · MSD (Lab ID: 2036738)
 - Nitrate as N





Project:

RCRA

Pace Project No.:

10316058

Method: E

EPA 350.1

Description: 350.1 Ammonia

FMC

Client: Date:

August 11, 2015

General Information:

19 samples were analyzed for EPA 350.1. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.



Project:

RCRA 10316058

Method:

Pace Project No.:

SM 4500-P E

Description: Phosphate, Ortho Low Level

Client: Date: FMC

August 11, 2015

General Information:

19 samples were analyzed for SM 4500-P E. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: WETA/24012

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10316058001,10316058010

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- · MS (Lab ID: 2035222)
 - · Orthophosphate as P

QC Batch: WETA/24034

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10316058011,10316058019

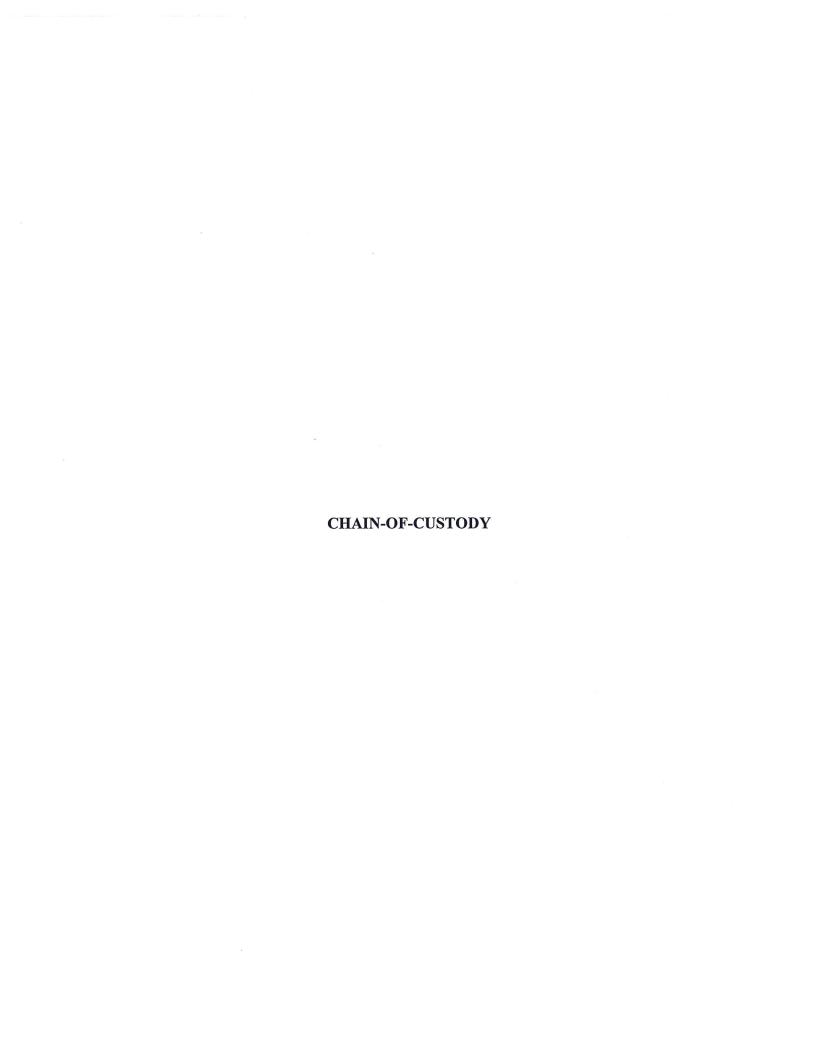
M6: Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

- · MS (Lab ID: 2036822)
 - Orthophosphate as P
- · MSD (Lab ID: 2036823)
 - · Orthophosphate as P

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of Gustody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Pace Analytical

Pace Project No./ Lab I.D. DRINKING WATER 1631 6ch OTHER 82 600 200 B 83 I GROUND WATER Residual Chlorine (Y/V) Page: REGULATORY AGENCY RCRA Ω Requested Analysis Filtered (Y/N) 12 SHORT HOLD 1/12/15 Site Location I NPDES STATE TSU L Odho Phos 1 BinommA TOTAL PHOS by ICP PO BOX 4111 POCATELLO ID 83202 TUORIDE (ISE) **TOTAL METALS 6010** TOTAL METALS 6020 WQP THIA JiseT eisylenA Olher Pace Quote
Reteance:
Pace Project
Managar:
Pace Profile #: 26442 line# 4 lonsiteM Brian McGinnis Preservatives NazSzO3 HOBN Company Name: FMC HCI Invoice Information: Attention: Bris нио3 OS2H Section C Address: Unpreserved # OF CONTAINERS SAMPLE TEMP AT COLLECTION 0920 010 1425 0880 100 155 1355 TIME 7/28/15 0805 245 COLLECTED DATE Report To: Ericka Vallance, Hydrometrics TIME COMPOSITE Copy To: Rob Hartman, MWH Bruce Wallin, ECCI DATE Required Project Information; Project Number. RCRA FMC O O urchase Order No.: SAMPLE TYPE Ø WT W O O O Ø ഗ v WT ¥ ¥ ¥ ¥ ¥ × ¥ ¥ ¥ (see valid codes to len) Project Name: MATRIX CODE 507 | 504 507 | 78 507 180 507 700 507 172 507 660 507 [73 207 709 brian.mcqinnis@fmc.com POCATELLO, ID 83202 507 (A-Z, 0-97,-) Sample IDs MUST BE UNIQUE SAMPLE ID Section D Required Clent Information PO BOX 4111 Section A Required Client Information: Requested Due Dale/TAT: ompany: Address: Email To: hone; 4 œ 9 F 12 # Mati 0

F-ALL-Q-020rev.08, 12-Oct-2007

Samples Intect

Caaler (Y/N)

Sustody Seale

Ice (Y/N) Received on

J. ni qmeT

MANDONY: 07/28/15

raze

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: SIGNATURE of SAMPLER:

rave

SAMPLE CONDITIONS

TIME

DATE

ACCEPTED BY / AFFILIATION

TIME

DATE

RELINQUISHED BY / AFFILIATION

Nather Crave / Hydrometris 7/28/15/1500

109819308

ed Ex Air Bill #

WOP: 300.0- Cl, SO4, Nitrate, F

A.DDITIONAL COMMENTS

5010; Cadmium, Polassium, 6020; Arsenic, Selenium

Total Phos by ICP orly on wells 108, 121, 122 & 123

Podrs

Important Note: By signing this form you are accepting Pace's NET 30 day payment torms and agreeing to late charges of 1.5% per month for any invoiccs not paid within 30 days. Page 52 of 56

Pace Analytical

Document Name:

Sample Condition Upon Receipt Form

Document No.: F-MN-L-213-rev.13 Document Revised: 23Feb2015

Page 1 of 1

Issuing Authority: Pace Minnesota Quality Office

Sample Condition Client Name:			Project	# WO#:10316058
Courier: Effect Fy Tups	Duene			ALM DE LOS ROBOTO EL DECENIO
- CO LA	USPS		lient	
Commercial Pace SpeeDee Tracking Number:	Other:			10316058
Tracking runner. SOUD TO TA OT	VII			
Custody Seal on Cooler/Box Present?		Seals Int	act? 🗶	Yes No Optional: Proj. Due Date: Proj. Name:
Packing Material: Bubble Wrap Bubble Bags	Non	e 🗌	Other:	Temp Blank? Yes No
Thermometer B88A9130516413 B88A91216750. Used: B88A01433100: Cooler Temp Read (°C): Cooler Temp Cor Temp should be above free ring to 6°C Correction Fact	98 'YP' rected (°C)	e of Ice:	4 We	Biological Tissue Frozen? Yes, No. DNA.
USDA Regulated Soil (N/A, water sample)	or: Ty	<i></i>	Dat	e and Initials of Person Examining Contents: 10(7)17311
Did samples originate in a quarantine zone within the United S MS, NC, NM, NY, OK, OR, SC, TN, TX or WA (check maps)?			Yes	ID, LA. Did samples originate from a foreign source (internationally, No including Hawaii and Puerto Rico)? Yes No Q-338) and include with SCUR/COC paperwork.
				COMMENTS:
Chain of Custody Present?	Hes	□No	□N/A	1.
Chain of Custody Filled Out?	Pres	□No	□N/A	2.
Chain of Custody Relinquished?		□No	□N/A	3.
Sampler Name and/or Signature on COC?	Yes	□No	□N/A	4.
Samples Arrived within Hold Time?	□ Yes	□No	□N/A	5.
Short Hold Time Analysis (<72 hr)?	Ves	□No	□N/A	6.
Rush Turn Around Time Requested?	Yes	No	□n/a	7.
Sufficient Volume?	Ves	□No	□N/A	8.
Correct Containers Used?	Ves	□No	□N/A	9.
-Pace Containers Used?	Yes	□No	□N/A	,
Containers Intact?	□ Yes	□No	□N/A	10.
Filtered Volume Received for Dissolved Tests?	□Yes	□No	ØN/A	11. Note if sediment is visible in the dissolved container
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: WT	[] wes	□No	□N/A	12.
All containers needing acid/base preservation have been checked? All containers needing preservation are found to be in	Yes	□No	□n/a	13. DHNO3 DH2SO4 DNaOH DHCI
compliance with EPA recommendation? (HNO₃, H₂SO₄, HCl<2; NaOH >9 Sulfide, NaOH>12 Cyanide) Exceptions: VOA, Coliform, TOC, Oll and Grease,	Pes	□No	□n/a	Initial when Lot # of added
DRO/8015 (water) DOC	Yes	□No	ENTA	completed: preservative:
Headspace in VOA Vials (>6mm)?	□Yes	□No	DN/A	14.
Trip Blank Present?	□Yes	□No	DN/A	, 15.
Trip Blank Custody Seals Present?	Yes	□No	DNIA	
Pace Trip Blank Lot # (if purchased):				
CLIENT NOTIFICATION/RESOLUTION Person Contacted:				Field Data Required? ☐Yes ☐No Date/Time:
Carran and Darahatian				Date/Time:
Comments/ kesolution:	0	, ,		
Project Manager Review: Note: Whenever there is a discrepancy affecting North Carolina co hold, incorrect preservative, out of temp, incorrect containers).	ompliance sa	impjes, a	copy of the	Date:

DATA PACKAGE REPORT
SAMPLE DELIVERY GROUP
RCRA SDG
10316268



Project:

FMC RCRA

Pace Project No.: 10316268

Orthophosphate as P

Sample: 507104	Lab ID: 1	0316268007	Collecte	d: 07/29/1	5 15:50	Received: 07/	30/15 10:00 Ma	atrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical M	lethod: EPA 6	010 Prepa	ration Meth	od: EPA	A 3010			
Cadmium Potassium	0.0017Û + 313	mg/L Û mg/L	0.0030 2.5	0.00065 0.13	1 1	08/01/15 14:53 08/01/15 14:53	08/03/15 01:47 08/03/15 01:47		
6020 MET ICPMS	Analytical M	lethod: EPA 6	020 Prepa	ration Meth	od: EPA	3020			
Arsenic Selenium	0.036 0.0031	mg/L mg/L	0.00050 0.00050	0.00011 0.00020	1 1	08/01/15 14:37 08/01/15 14:37	08/07/15 04:06 08/07/15 04:06		
300.0 IC Anions	Analytical M	lethod: EPA 3	0.00						
Chloride Fluoride Nitrate as N Sulfate	109 T 2.9 T 19.0 T 126	mg/L	12.0 0.050 1.0 12.0	6.0 0.0036 0.50 6.0	10 1 10 10		07/30/15 23:44 07/30/15 22:34 07/30/15 23:44 07/30/15 23:44	16984-48-8 14797-55-8	
350.1 Ammonia	Analytical M	lethod: EPA 3	50.1						
Nitrogen, Ammonia	3.2	mg/L	0.080	0.040	2		08/10/15 11:53	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								

0.050

1.1

mg/L

0.017 10

07/30/15 16:34

REPORT OF LABORATORY ANALYSIS

Date: 08/13/2015 11:06 AM



Project:

FMC RCRA

Pace Project No.: 10316268

Sample: 507108A	Lab ID: 1	0316268013	Collecte	d: 07/30/1	09:30	Received: 07/	31/15 10:00 Ma	atrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010C MET ICP	Analytical M	1ethod: EPA 6	010C Prep	aration Met	hod: EF	PA 3010			
Phosphorus	669	ug/L	100	12.9	1	08/07/15 11:54	08/11/15 09:54	7723-14-0	
Cadmium	ND	mg/L	0.0030	0.00065	1	08/02/15 15:28	08/06/15 17:33	7440-43-9	
Potassium	133	mg/L	2.5	0.13	1	08/02/15 15:28	08/04/15 23:23	7440-09-7	
6020 MET ICPMS	Analytical M	flethod: EPA 6	020 Prepa	ration Meth	od: EP/	3020			
Arsenic	0.021	mg/L	0.00050	0.00011	1	08/02/15 15:41	08/07/15 17:31	7440-38-2	
Selenium	0.014	mg/L	0.00050	0.00020	1	08/02/15 15:41	08/07/15 17:31	7782-49-2	
300.0 IC Anions	Analytical M	flethod: EPA 3	0.00						
Chloride	420 J	mg/L	12.0	6.0	10		08/01/15 00:38	16887-00-6	
Fluoride	0.47 1		0.050	0.0036	1		07/31/15 16:49	16984-48-8	
Nitrate as N	18.6.7		1.0	0.50	10		08/01/15 00:38	14797-55-8	
Sulfate	355	mg/L	12.0	6.0	10		08/01/15 00:38	14808-79-8	
350.1 Ammonia	Analytical M	flethod: EPA 3	50.1						
Nitrogen, Ammonia	ND	mg/L	0.040	0.020	1		08/12/15 15:55	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	0.63	mg/L	0.050	0.017	10		07/31/15 17:02		



Project:

FMC RCRA

Pace Project No.:

10316268

Sample: 507113	Lab ID: 1	0316268003	Collecte	d: 07/29/1	5 13:20	Received: 07/	30/15 10:00 Ma	atrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical M	lethod: EPA 6	010 Prepa	ration Meth	od: EPA	A 3010			
Cadmium Potassium	0.0017(J) + 21.1	mg/L U mg/L	0.0030 2.5	0.00065 0.13	1 1	08/01/15 14:53 08/01/15 14:53	08/03/15 01:28 08/03/15 01:28		
6020 MET ICPMS	Analytical M	lethod: EPA 6	020 Prepa	ration Meth	od: EPA	A 3020			
Arsenic Selenium	0.026 0.0034	mg/L mg/L	0.00050 0.00050	0.00011 0.00020	1 1	08/01/15 14:37 08/01/15 14:37	08/07/15 03:48 08/07/15 03:48	-	
300.0 IC Anions	Analytical M	lethod: EPA 3	0.00						
Chloride Fluoride Nitrate as N Sulfate	125 \\ 0.45 \\ 9.2 \\ 86.6	mg/L mg/L mg/L mg/L	2.4 0.050 0.20 1.2	1.2 0.0036 0.10 0.60	2 1 2 1		07/31/15 00:03 07/30/15 21:34 07/31/15 00:03 07/30/15 21:34	16984-48-8 14797-55-8	
350.1 Ammonia	Analytical M	lethod: EPA 3	50.1						
Nitrogen, Ammonia	ND	mg/L	0.40	0.20	10		08/10/15 16:04	7664-41-7	
Phosphate, Ortho Low Level	Analytical Method: SM 4500-P E								
Orthophosphate as P	0.24	mg/L	0.010	0.0035	2		07/30/15 16:33		

10316268

Date: 08/13/2015 11:06 AM



Project:

FMC RCRA

Pace Project No.:

Orthophosphate as P

10316268

3.4

mg/L

Pace Project No.: 10316268									
Sample: 507115	Lab ID:	10316268001	Collecte	d: 07/29/1	5 12:00	Received: 07/	/30/15 10:00 Ma	atrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical N	Method: EPA 6	010 Prepa	ration Meth	od: EPA	A 3010			
Cadmium Potassium	0.0097 20.0	mg/L mg/L	0.0030 2.5	0.00065 0.13	1 1	08/01/15 14:53 08/01/15 14:53	08/03/15 01:16 08/03/15 01:16		
6020 MET ICPMS	Analytical N	Method: EPA 6	020 Prepa	ration Meth	od: EPA	A 3020			
Arsenic Selenium	0.24 0.0038	mg/L mg/L	0.00050 0.00050	0.00011 0.00020	1 1	08/01/15 14:37 08/01/15 14:37	08/07/15 03:39 08/07/15 03:39		
300.0 IC Anions	Analytical I	Method: EPA 3	300.0						
Chloride Fluoride Nitrate as N Sulfate	150 \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	mg/L	6.0 0.050 5.0 6.0	3.0 0.0036 2.5 3.0	5 1 50 5		07/31/15 02:48 07/30/15 16:46 07/30/15 17:16 07/31/15 02:48	16984-48-8 14797-55-8	M1 M1 M6 M1
350.1 Ammonia	Analytical I	Method: EPA 3	350.1						
Nitrogen, Ammonia	0.088	mg/L	0.040	0.020	1		08/10/15 10:20	7664-41-7	
Phosphate, Ortho Low Level	Analytical I	Method: SM 4	500-P E						

0.10

0.035 20

07/30/15 16:29

REPORT OF LABORATORY ANALYSIS



Project:

FMC RCRA

Pace Project No.:

10316268

Sample: 507121A

Lab ID: 10316268012

Collected: 07/30/15 08:50 Received: 07/31/15 10:00

Matrix: Water

					, 00.00	110001104. 077	01110 10.00 1411	atrix. Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010C MET ICP	Analytical N	Method: EPA	6010C Prep	paration Met	hod: E	PA 3010			
Phosphorus	814	ug/L	100	12.9	1	08/07/15 11:54	08/11/15 09:51	7723-14-0	
Cadmium	ND	mg/L	0.0030	0.00065	1	08/02/15 15:28	08/06/15 17:26	7440-43-9	
Potassium	61.1	mg/L	2.5	0.13	1	08/02/15 15:28	08/04/15 23:16	7440-09-7	
6020 MET ICPMS	Analytical N	Method: EPA	6020 Prepa	ration Meth	od: EP	A 3020			
Arsenic	0.0088	mg/L	0.00050	0.00011	1	08/02/15 15:41	08/07/15 17:27	7440-38-2	
Selenium	0.014	mg/L	0.00050	0.00020	1	08/02/15 15:41	08/07/15 17:27	7782-49-2	
300.0 IC Anions	Analytical N	/lethod: EPA	300.0						
Chloride	509 🕽	mg/L	12.0	6.0	10		08/01/15 00:21	16887-00-6	
Fluoride	0.165	mg/L	0.050	0.0036	1		07/31/15 16:34	16984-48-8	
Nitrate as N	17.8 🗸	mg/L	1.0	0.50	10		08/01/15 00:21	14797-55-8	
Sulfate	400	mg/L	12.0	6.0	10		08/01/15 00:21	14808-79-8	
350.1 Ammonia	Analytical N	/lethod: EPA	350.1						
Nitrogen, Ammonia	ND	mg/L	0.040	0.020	1		08/12/15 15:53	7664-41-7	
Phosphate, Ortho Low Level	Analytical N	/lethod: SM	4500-P E						
Orthophosphate as P	0.78	mg/L	0.050	0.017	10		07/31/15 17:01		



Project:

FMC RCRA

Pace Project No.:

10316268

			_
Sam	ple:	507122	

Lab ID: 10316268015

Collected: 07/30/15 11:00 Received: 07/31/15 10:00 Matrix: Water

Sample: 507122	Lab ID:	10316268015	Collecte	a: 07/30/1	11:00	Received: 07/	/31/15 10:00 Ma	atrix: vvater	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010C MET ICP	Analytical N	Method: EPA 6	6010C Prep	paration Met	hod: E	PA 3010			
Phosphorus	10300	ug/L	100	12.9	1	08/07/15 11:54	08/11/15 10:13	7723-14-0	
Cadmium	0.0013(J)	mg/L	0.0030	0.00065	1	08/02/15 15:28	08/06/15 18:13	7440-43-9	
Potassium	123	mg/L	2.5	0.13	1	08/02/15 15:28	08/10/15 09:09	7440-09-7	
6020 MET ICPMS	Analytical N	Method: EPA 6	6020 Prepa	ration Meth	od: EP	A 3020			
Arsenic	0.050	mg/L	0.00050	0.00011	1	08/02/15 15:41	08/07/15 17:36	7440-38-2	
Selenium	0.0080	mg/L	0.00050	0.00020	1	08/02/15 15:41	08/07/15 17:36	7782-49-2	
300.0 IC Anions	Analytical N	/lethod: EPA	300.0						
Chloride	309 🏅		12.0	6.0	10		08/01/15 00:56	16887-00-6	
Fluoride	0.066 1	mg/L	0.050	0.0036	1		07/31/15 17:34	16984-48-8	
Nitrate as N	18.6 🕽 ~	mg/L	1.0	0.50	10		08/01/15 00:56	14797-55-8	
Sulfate	348	mg/L	12.0	6.0	10		08/01/15 00:56	14808-79-8	
350.1 Ammonia	Analytical N	Method: EPA 3	350.1						
Nitrogen, Ammonia	ND	mg/L	0.040	0.020	1		08/12/15 16:00	7664-41-7	
Phosphate, Ortho Low Level	Analytical N	/lethod: SM 4	500-P E						
Orthophosphate as P	10.5	mg/L	0.50	0.17	100		07/31/15 17:07		



Project:

FMC RCRA

Pace Project No.: 10316268

Orthophosphate as P

0.58

mg/L

Sample: 507123 A,B,C	Lab ID: 1	0316268014	Collecte	d: 07/30/1	5 10:15	Received: 07/	31/15 10:00 Ma	atrix: Water			
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual		
6010C MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3010										
Phosphorus Cadmium Potassium	573 0.0047 26.4	ug/L mg/L mg/L	100 0.0030 2.5	12.9 0.00065 0.13	1 1 1	08/07/15 11:54 08/02/15 15:28 08/02/15 15:28	08/11/15 09:57 08/06/15 17:47 08/10/15 08:43		M1		
6020 MET ICPMS	Analytical M	1ethod: EPA 6	020 Prepa	ration Meth	od: EPA	A 3020					
Arsenic Selenium	0.17 0.14	mg/L mg/L	0.00050 0.00050	0.00011 0.00020	1 1	08/02/15 15:41 08/02/15 15:41	08/07/15 17:49 08/07/15 17:49				
300.0 IC Anions	Analytical M	1ethod: EPA 3	0.00								
Chloride Fluoride Nitrate as N Sulfate	91.4 T 0.95 T 2.8 T 505		1.2 0.050 0.10 12.0	0.60 0.0036 0.050 6.0	1 1 1 10		07/31/15 15:03 07/31/15 15:03 07/31/15 15:03 07/31/15 19:50	16984-48-8 14797-55-8	M1 M1 M1 M6		
350.1 Ammonia	Analytical M	1ethod: EPA 3	50.1								
Nitrogen, Ammonia	3.5	mg/L	0.080	0.040	2		08/12/15 17:10	7664-41-7	M1		
Phosphate, Ortho Low Level	Analytical M	Analytical Method: SM 4500-P E									

0.050

0.017 10

07/31/15 17:04

Date: 08/13/2015 11:06 AM



Project:

FMC RCRA

Pace Project No.:

10316268

Sample: 507155	Lab ID: 1	0316268016	Collecte	d: 07/30/1	5 12:00	Received: 07/	31/15 10:00 Ma	atrix: Water	***************************************
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical M	1ethod: EPA 6	010 Prepa	ration Meth	od: EPA	3010			
Cadmium Potassium	0.0028 <u>ට්)</u> 411	mg/L mg/L	0.0030 2.5	0.00065 0.13	1 1	08/02/15 15:28 08/02/15 15:28	08/06/15 18:19 08/10/15 09:16	2 7 22 10 10 10 10 10 10 10 10 10 10 10 10 10	
6020 MET ICPMS	Analytical M	1ethod: EPA 6	020 Prepa	ration Meth	od: EPA	3020			
Arsenic Selenium	0.095 0.0048	mg/L mg/L	0.00050 0.00050	0.00011 0.00020	1 1	08/02/15 15:41 08/02/15 15:41	08/07/15 17:40 08/07/15 17:40		
SM4500F-C Fluoride	Analytical M	lethod: SM 45	500F/C						
Fluoride	0.18�	mg/L	1.0	0.051	1		08/08/15 14:03	16984-48-8	
300.0 IC Anions	Analytical M	lethod: EPA 3	0.00						
Chloride Fluoride Nitrate as N Sulfate	193 \\ 0.13 \\ 5.6 \\ 246	mg/L	6.0 0.050 0.10 6.0	3.0 0.0036 0.050 3.0	5 1 1 5		08/01/15 01:14 07/31/15 17:49 07/31/15 17:49 08/01/15 01:14	16984-48-8 14797-55-8	
350.1 Ammonia	Analytical M	1ethod: EPA 3	50.1						
Nitrogen, Ammonia	0.39	mg/L	0.040	0.020	1		08/12/15 16:01	7664-41-7	
Phosphate, Ortho Low Level	Analytical M	lethod: SM 45	500-P E						
Orthophosphate as P	17.2	mg/L	1.2	0.44	250		07/31/15 17:08		